PTO/SB/01 (05-03)

Approved for use through 04/30/2003.OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Pageryork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DI	ECLARAT		FO	R UTILITY OR	Attorney Docket Number	NTI-0848				
		DE			First Named Inventor	Vishnu G. Kamat				
	PATEN	IT AI	PPl	LICATION	COMPLETE IF KNOWN					
	(3	7 CF	R	1.63)	Application Number	10/774,342				
	Declaration Submitted with Initial Filing	0.0	$\boxtimes$	Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e))	Filing Date	2/5/2004				
		OR			Art Unit	2812				
	- mig			required)	Examiner Name	unknown				
	ereby declare thach inventor's res		, mail		p are as stated below next to their					

l heret	I hereby declare that:												
Each i	Each inventor's residence, mailing address, and citizenship are as stated below next to their name.												
	I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:												
	"CORRECTING 3D EFFECTS IN PHASE SHIFTING MASKS USING SUB-RESOLUTION FEATURES"												
L				(Title of the li	nvention)								
the sp	the specification of which												
$\boxtimes$	was filed on (MM/I	DD/YYYY)	02/05/2	004	as United	States Applica	ition Number or P	CT International					
Applicati	on Number 10/774	,342 and was	amended on	(MM/DD/YYY	Y) [ (if ap	oplicable).							
i hereby amende	state that I have d by any amendmer	reviewed and nt specifically (	d understand referred to abo	the contents	of the above-id	entified speci	fication, including	the claims, as					
in-part a	riedge the duty to di pplications, materia imational filing date	I information	which became	available bet	tentability as def ween the filing o	lined in 37 CF date of the pri	R 1.56, including to application and	for continuation- the national or					
United Sinventor	I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent, inventor's or plant breeders rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.												
	reign Application Number(s)	Country	Foreig (MM	n Filing Date	Prior Not Cla		Certified Cop YES	y Attached? NO					
N/A			,,,,,,,										
		I											
								П					
Add	itional foreign applic	ation numbers	are listed on	a supplement	al priority data sh	neet PTO/SB/0	2B attached here						
I hereby	claim the benefit ur	nder 35 U.S.C	119(h) of any	United States	provisional app	lication(s) liste	ed below.						
	Application Numbe			Date (MM/DD									
N/A  Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.													

[Page 1 of 2]
This collection of information is required by 37 CFR 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete his form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer.
U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 04/30/2003.OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## **DECLARATION** — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of the application is not designated in the prior United States or PCT international application in the manner provided by the first paragraph of 31 U.S.C. 112. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.58 which became available

between the filing date of the prior application and the national or PCT international filing date of this application.													
U.S. Pare	nt Applica	ation or PC	T Parer	nt Numb	er		,					atent Nur oplicable)	
N/A													
Additional U.S.	or PCT inter	national appli	nority	data she	et PTO/SB/0	28 att	ached herel	o.					
As a named inven	ent and Tra		e conne	cted then	ewith:	⊠ Cust	omer Nu	ımber		• applicatio )29477		i to transa Place Customer Number Bar Code Label here	
N	ame			egistratio Number	n			Name	;	Registration Number			n
					·								
☐ Additional regist	ered practiti	oner(s) named	on supp	emental	Registe	ered Practiti	ioner Info	matlo	n sheet l	PTO/SB/02C	attaci	ned hereto.	
Direct all correspondence to: ☑ Customer Number or Bar Code Label O29477 OR ☐ Correspondence address belo									ow				
Name													
Address							<b></b>		-			· · · · · · · · · · · · · · · · · · ·	
City						State			ZIP				
Country			Telep	hone	+1 (4	(408) 451-5907 Fax +1 (408) 451-5908							
I hereby declare the believed to be true; punishable by fine of application or any pa	and further or imprisonn	that these stanent, or both,	atements	were may	de with	the knowle	edge tha	t willful	false si	atements an	d the	like so mad	de are
Name of Sole	or First I	nventor:				A petition	n has be	en file	d for th	is unsigne	d inve	entor	
Given	Name (fire	t and middle	e (If any	y) Family Name or Surname									
	Vis	hnu G.		Kamat									
Inventor's Sig	nature	V. G. K	unct	-	-				Date	J	ive 25	104	
Residence: City		Cupertino		State	<u>.                                    </u>	CA	Coun	try	US	Citizens	hlp	Indi	a
Mailing Address		10411 Mary Avenue								12			
City		Cupertino		State	↓	CA	ZIP	9	5014	Country		US	) ——————
Name of Addit	Name of Additional Joint Inventor, if any:												
Given Name (first and middle (if any)						Family Name or Surname							
Armen Kroyan													
Inventor's Signature									Date	<u></u>		•	
Residence: City		San Franc		State	1	CA Country US				Citizens	hlp	Russian	Fed.
Mailing Address	····	855 Folsom Street, Apt. 906						1					
City		San Franc		State	1	CA	ZIP		4107	Country		<u> </u>	
Additional inve	ntors are b	eing named c	in the	supplem	ental A	Additional I	nventor(	s) she	et(s) PT	O/SB/02A a	ttache	ed hereto:	

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION	<b>FOR UT</b>	ILITY OR	Attorne	y Docket Num	ber N	ITI-0848					
	SIGN		First Na	at							
PATENT A	PPLICAT	TION	COMPLETE IF KNOWN								
	R 1.63)		Applica	tion Number	10,	)/774,342					
Declaration Submitted	□ Declar     Submi	ation Itted after Initial	Filing D	ate	2/5	2/5/2004					
with Initial OR	Filing	surcharge R 1.16(e))	Art Unit		28	2812					
I mig	require		Examin	er Name	unl	known					
I hereby declare that:			· · · · · · · · · · · · · · · · · · ·					$\Box$			
Each inventor's residence	mailing addre	ess. and citizenshi	io are as st	ated below next to	their name.			- 1			
I believe the inventor(s) no patent is sought on the inv	amed below to	be the original ar					and for which a	а			
								٦I			
	"CORRE	CTING 3D I	EFFECT	rs in Phas	E SHIFT	ring		Ш			
	MASKS	USING SUI	B-RESC	<b>LUTION FI</b>	EATURI	es"		- 11			
At a second second subtab		(Ti	itle of the In	vention)		. •		-			
the specification of which is attached hereto OR								•			
was filed on (MM/	DD/YYYY)	02/05/2004		as United St	ates Applica	ition Number or I	PCT Internatio	nal			
Application Number 10/774	1.342 and was	s amended on (MI	 M/DD/YYY	Y) [ (if appl	icable).			ı			
I hereby state that I have amended by any amendme	reviewed and	d understand the	contents		tified specif	lication, includin	g the claims,	as			
I acknowledge the duty to d	lisclose inform	ation which is mat	terial to pat	entability as define	ed in 37 CF	R 1.56, including	for continuati	ion-			
in-part applications, material PCT international filing date	al information of the continu	which became av Jation-in-part appli	ailable beto cation.	ween the filing dat	e of the pri	or application ar	nd the national	l or			
I hereby claim foreign priori	ity henefits un	der 35 U.S.C. 119	(a)-(d) or 3	65(b) of any foreig	n applicatio	n(s) for patent, i	nventor's or pl	lant			
breeders rights certificate(s United States of America,	woled betail	and have also id	lentified be	low, by checking	the box, a	ny foreign appli	cation for pati	ent, I			
inventor's or plant breeder'	s certificate(s)	, or any PCT inte	rnational a	pplication having	a filing date	before that of t	he application	on			
which priority is claimed.		T = -		Dutant		Contitled Co	anu Attanhad2	$\square$			
Prior Foreign Application Number(s)	Country	Foreign Fi		Priority Not Claim		YES	opy Attached? NO				
N/A		· · ·									
Additional foreign applie	cation number	s are listed on a s	upplementa	I priority data she	et PTO/SB/0	2B attached her	eto:				
I hereby claim the benefit u	nder 35 U.S.C	. 119(h) of any Ur	nited States	provisional applic	ation(s) liste	ed below.					
Application Number(s) Fillng Date (MM/DD/YYYY)											
N/A Additional provisional application numbers are listed on a											
supplemental priority data sheet PTO/SB/02B attached hereto.											

[Page 1 of 2]
This collection of information is required by 37 CFR 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer. U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Atty. Docket No: NTI-0848 PTO/SB/01 (05-03) Approved for use through 04/30/2003.OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## **DECLARATION** — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of the application is not designated in the prior United States or PCT international application in the manner provided by the first paragraph of 31 U.S.C. 112. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

between the filing date of the prior application and the national or PCT international filing date of this application.													
U.S. Parent App	ication or PC	T Parer	nt Numb	er	1	Parent Filing Date (MM/DD/YYYY)					Parent Patent Number (if applicable)		
N/A													
Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/028 attached hereto.													
A		ha fallau	uina mais	rtarad n	ractitions	de) to t	AFA GOA	ruto this	annlicati	ดก คท	d to transact all		
As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:   OR Registered practitioner(s) name/registration number listed below    Place Customer   Number   Number													
Registration Registration													
Name			egistratio Number	ın			Name	•		Number			
Additional registered pra	titioner(s) name	d on supp	olemental I	Registere	d Practitio	ner Info	matio	n sheet F	PTO/SB/02	C attac	ched hereto.		
Direct all corresponder	Direct all correspondence to:  Customer Number or Bar Code Label  OR  Correspondence address below												
Name													
Address													
City					State			ZIP					
Country		Telep	hone	+1 (40	(408) 451-5907 Fax +1 (408) 451-5908								
I hereby declare that all state believed to be true; and fur punishable by fine or imprisapplication or any patent iss	ner that these sonment, or both	tatements	were ma	de with t	he knowle	dae that	: willful	l false st	atements a	and the	ike so made are		
Name of Sole or Fire	t Inventor:				petition	has be	en file	ed for th	ils unsign	ed inv	ventor		
Given Name	first and midd	le (If any	')				Fam	ily Nam	e or Surn	ame			
	/ishnu G.							Ka	mat				
Inventor's Signature			C				Date		.,				
Residence: City	Cupertine	)	State		CA	Coun	try	US	Citizer	ship	Indla		
Mailing Address	10411 Ma	ry Avenu	16						<del></del>		1		
City	Cupertine		State	<u> </u>	CA	ZIP	9	5014	Count	у	US		
Name of Additional	Joint Inven	tor, if a	ny:		☐ A pe	tition h	as be	en filed	for this u	nsign	ed inventor		
Given Name (first and middle (if any) Family Name or Surname													
Armen Kroyan													
Inventor's Signature			Oki	12mi		<b>,</b>			Date		121/04		
Residence: City	San Fran		State		CA Country US				Citizenship Russian Fed.				
Mailing Address	t, Apt. 90	~~	/										
City	San Fran		State		CA Iditional Ir	ZIP		4107	Count		ned hereto:		